

Abstract

The present invention relates to a repair clamp providing an improved pipe repair clamp. The clamp according to the invention could be used in some cases as a coupling to join two pipe ends.

The clamp comprises;

a) a metal clamping band to surround 360° of a pipe. The band being extended at both ends to form a hollow shape including a flat base, a wedge-shaped section and a convex rounded section, elongated apertures being provided to allow passage for screw fasteners through the hollow shape, narrow edges of the wedge-shaped sections being in contact with each other to form a substantially triangularly shaped space between the formed ends; and a flexible inner sealing sleeve disposed inside the clamping band and a pair of profile strips each having a major face for contacting the outer surface of the convex rounded section, and an opposite seating face for shoulder support of a plurality of screw fasteners, the strips having apertures to allow passage of the fasteners, and a plurality of screw fasteners inserted into the apertures wherein the tightening of said screw fasteners reduces the size of the triangularly shaped space and tightens the metal clamping band to compress the flexible inner sleeve sealingly against the outer diameter of the pipes.